Ruslan Makarov

Software Engineer

SUMMARY

- Experienced 20+ years in design and development of enterprise-level applications
- Solid theoretical and practical knowledge of software architecture and design
- Proficient in back-end (Java, Node.js, PHP), front-end (Vue.js, HTML/ES6/CSS), Android development, bots/botnets (Rest API, Selenium, Puppeteer) and browser Web Extensions
- Developed software solutions for large US and top Russian IT companies. Conducted research on DARPA project in the Vanderbilt University, TN
- Managed full life cycle of projects from inception to completion.
- Participate in open source projects and write well liked (80K+ readings) technical articles for the major IT web-portals
- Professional, competent, responsible, skilled

EXPERIENCE

INTESSERA INC.
1998-2000
Software developer

Took part in development of ViewFinder - document management system (Java, Oracle)

VANDERBILT UNIVERSITY (ISIS), TN
2000-2002
Senior software engineer

Worked on DARPA and Boeing funded project - The Network Embedded Systems Technology (NEST), dealing with middleware services and novel applications of Wireless Sensor Networks (WSN) Developed several services with sophisticated algorithms for decentralized networks with unreliable connections between nodes (Java, math)

AFK SISTEMA, RUSSIA
2002-2004
Software architect

Developed architecture and design of custom business process management software (Java, Oracle)

INDEPENDENT CONTRACTOR
2004-present

SKILLS

Languages: Java (20+ years), JavaScript/ES6/Node.js, PHP, SQL, HTML/CSS

Paradigms and Technologies: OOD/OOP, J2EE, REST API, UML, Git, CI/CD, SaaS, PWA, UI/UX, Android SDK, Web Services, SOAP

Databases: Oracle, MySQL, PosgreSQL, Aurora, DynamoDB, NoSQL, Firebase, MongoDB, CouchDB

Frameworks and App Servers: WebLogic, Spring, Glassfish, Tomcat, Vue.js, Laravel, CodeIgniter, Symfony, Web Extensions

Cloud Platforms: Amazon Web Services, Google Cloud Platform, MS Azure

Design patterns, best practices, coding standards

EDUCATION

MASTER OF SCIENCE IN MATHEMATICS
1993-1998
Moscow State University, Russia

TOP RATED (100% JSS) DEVELOPER ON UPWORK

CONTACTS

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github: altrusl
CV: altrusl.github.io/cv/

LATEST PROJECTS

Semantic information exchange system

2018

Developed XML-based information exchange system for Russian Government. Analog of US [NIEM](#) system. Utilized Java 2 EE technologies (JPA, Hibernate ORM, JMA), Spring Boot, SOAP, PostgreSQL, REST/HATEOAS

Pine Automation

2018-2019

Developed analyzer for Selenium traffic data for reverse engineering it to business level human actions. The system utilizes Spring Boot, Selenium, WebDriver protocol, WebServices

Surebet Scanner

2018-2019

Software system that collects (scrapping) in real-time odds from different online sportsbooks and runs surebet (arbitrage) and other strategies to analyze and find most valuable bets. Contains a betting automation bot on Puppeteer/VPC which automatically places bets on selected sportsbooks.

The system runs on Hetzner Cloud, with thousands of concurrent asynchronous threads fetching and analyzing gigabytes of data every minute. Bypassing sportsbook anti-bot defense was a challenge. For searching suitable strategies for value bets Big Data and mathematical modeling methods were utilized.

Handspit.com

2019-2020

Licensed online sportsbook. Developed the core of the website (JavaScript, Vue.js, PHP, MySQL/Aurora), integrated it with Sportradar - provider of odds data (Java, RabitMQ), and with Bambora Devcode - payment solution providers. Deployed the system on AWS EC2 cluster, with load balancer and security.

Certence

2020

[certence.club](#) - personal project, web application for preparation for IT certification exams. Makes preparation process more efficient by allowing a user to apply tags to questions in the question banks and filter them by tags. Also it provides ability to make notes and discuss questions with other users. Implemented using Vue.js.

Websites (including design): [v-gornom.ru](#), [paseka42.ru](#), [pantovital.ru](#)

OPEN SOURCE CONTRIBUTION

Several of my open source projects are available on GitHub ([altrusl](#)), NPM and [Awesome Vue.js](#)